

Public Notice

APPLICANT: TDOT **PERMIT APPLICATION:** NRS #05.458
505 Deadrick Street
Suite 900 James K Polk Bldg.
Nashville, TN 37243-0339
(615) 253-2477

LOCATION: Mt. Ararat Road SIA for Beech River Airport
5 unnamed tributaries to Big Creek and 5 Wetland Impacts
Site Lat. 35.6383° Long. -88.1923°
Henderson County

WATERSHED DESCRIPTION: The project is located in the Tennessee Western Valley (HUC 06040001) watershed. Land use surrounding the project area is agricultural; however, the construction of an airport is in progress. Five streams and 5 wetlands will be impacted by the proposed road project. These streams drain to Big Creek, assessed as fully supporting its uses. USGS TOPO QUAD: Parsons (22 NW)

Stream 1 begins in Wetland 1, parallels US 412, has soil and gravel substrate, forested canopy in the headwaters with grass riparian zone downstream. Wetland 1, 0.146-acres is a forested.

Stream 2 has soil and gravel substrate, little canopy and is heavily impacted by livestock up and downstream of Mt. Ararat Road.

Wetland 2 is herbaceous and approximately 0.003 acres located in a wet weather conveyance.

Stream 3 has soil and gravel substrate, a shrub canopy upstream and grass riparian zone in pastureland downstream. Recent logging activities eliminated trees in the riparian zone.

Stream 4 flowing through Wetlands 3 and 5 and adjacent to wetland 6 has a forested canopy downstream but trees have been logged upstream of Mt. Ararat Road. Wetland 3, greater than one acre in size, is herbaceous, buffers stream 5 and the left descending bank of Stream 4. Wetland 5, greater than 1 acre in size, lies north of Stream 4 has been logged recently.

Wetland 4 is 0.049 acres, forested with ponding and located south of Mt. Ararat Road.

Stream 5 is a small tributary to Stream 4 flowing through wetland 3. The substrate is soil with herbaceous riparian zone.

PROJECT DESCRIPTION: Proposed are improvements to 1.345 miles of Mt. Ararat Road to provide adequate access to the Beech River Airport. Proposed for the stream

crossing on Stream 1 is the replacement of the existing 24" concrete pipe with a 86 ft concrete pipe with 24 ft endwalls, 25 ft of rip rap at the inlet and 20 ft of rip rap at the outlet.

Wetland 1 will be partially filled by the Mt. Ararat Road project and the remainder will be filled when US 412 is widened. Mitigation is proposed for the total acreage of 0.146 at a 4:1 ratio, 0.584 acres.

For the road crossing of Stream 2, the existing 42" concrete pipe is being removed and replaced with 65 ft of 42" concrete pipe with 44 ft of endwalls, plus 20 ft of riprap at inlet and 20 ft of rip rap at the outlet.

Wetland 2 will be partially filled. Filled will be .001 acres to be mitigated at a 4:1 ratio or 0.004 acres.

Wetland 3 will be partially filled. Temporary impacts are expected to 0.015 acres, vegetation and hydrology are to be restored. Permanent impacts are expected to 0.071 acres. Mitigation is proposed at a 4:1 ratio, 0.284 acres.

Wetland 4 will be filled. Mitigation will be at a 4:1 ratio, 0.196 acres.

For the road crossing of Stream 3, the existing 36" metal pipe will be removed and replaced with a 8 ft x 4ft concrete box, 75.6 ft. Thirty feet of rip rap will be placed at the inlet and at the outlet.

For the crossing of Stream 4, the existing 36" CMP is being replaced with a 98 ft 10' x 5' box culvert. Forty feet of riprap will be placed at the inlet and at the outlet.

Wetland 5 is to have permanent and temporary impacts. Fill material is to be placed in 0.311 acres, with mitigation at a 4:1 ratio, 1.244 acres.

Stream 5 is being relocated with stream loss of 4 ft. Mitigation of \$600 has been proposed to the In Lieu Fee Program.

Proposed for the total permanent wetland impacts of 0.578 acres, is mitigation in the Obion Wetland Mitigation Bank at a 4:1 ratio, totaling 2.31 acres.

In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activity will not result in degradation to water quality.

PERMIT COORDINATOR: Judy Manners

PUBLIC NOTICE

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PERMIT COORDINATOR: Judy Manners



Photo 1- Stream 1 in Wetland 1 upstream of Mt. Ararat Road



Photo 2 -Stream 2 downstream of Mt. Ararat Road



Photo 3-Stream 3 downstream of Mt. Ararat Road



Photo 4- Stream 4 downstream of Mt. Ararat Road



Photo 5- Stream 4 upstream of Mt. Ararat Road



Photo 6- Wetland 2 and WWC-4



Photo 7-Wetland 3 and Stream 5



Photo 8- Wetland 4



Photo 9- Wetland 5

Location Map

N

SHEETS 1-2
STATION 1054+00 +/- RT. TO
STATION 1054+77 +/- RT.

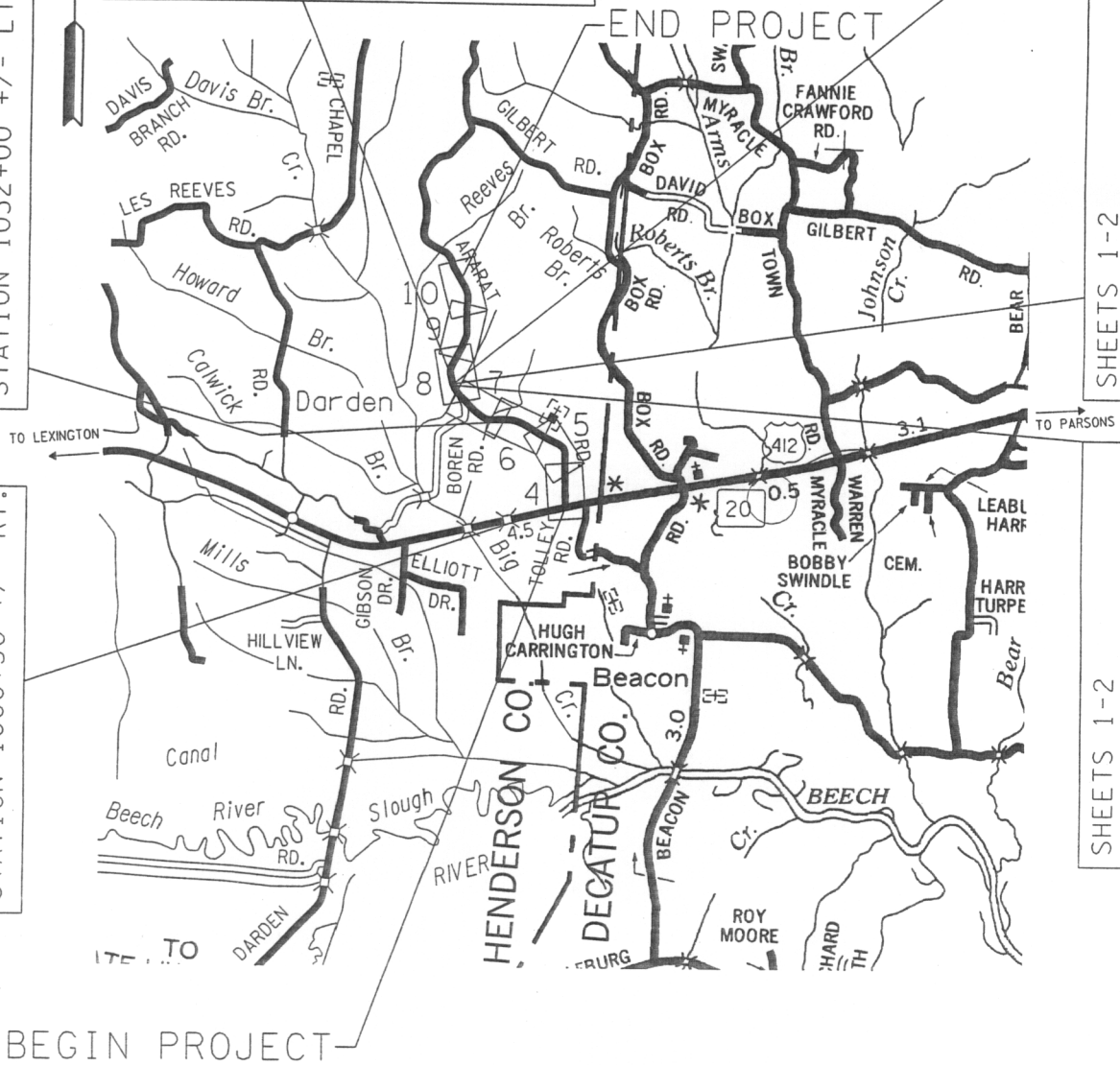
SHEETS 1-2
STATION 1054+50 +/- RT. TO
STATION 1055+50 +/- RT.

SHEETS 1-2
STATION 1032+00 +/- LT.

SHEETS 1-2
STATION 1054+50 +/- LT.

SHEETS 1-2
STATION 1000+50 +/- RT.

SHEETS 1-2
STATION 1053+50 +/- RT.



HENDERSON COUNTY

APPLICATION BY:

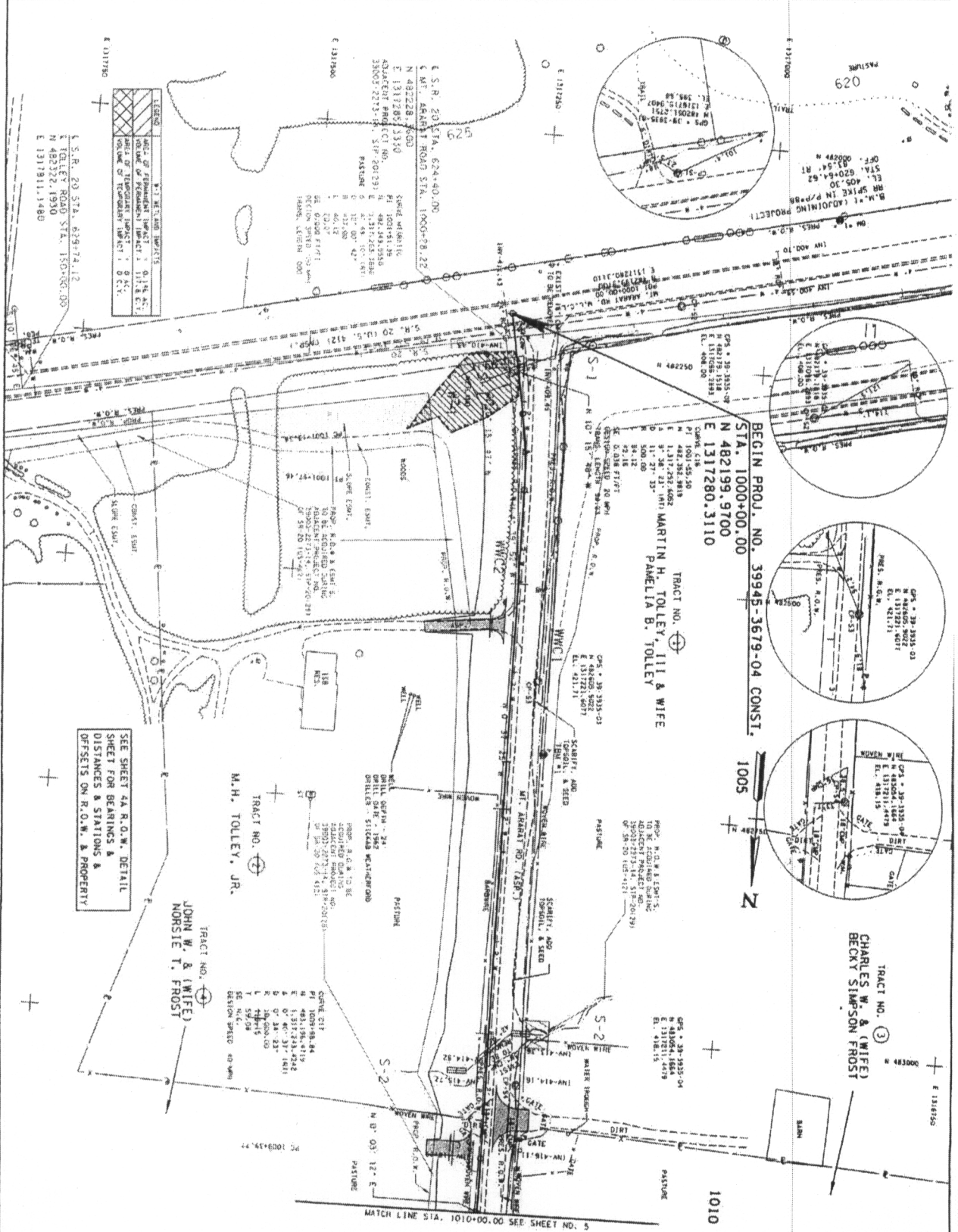
TENNESSEE DEPARTMENT OF TRANSPORTATION
STATE PROJ. NO. 39945-3679-04
SIA - MT. ARARAT ROAD
BEECH RIVER AIRPORT

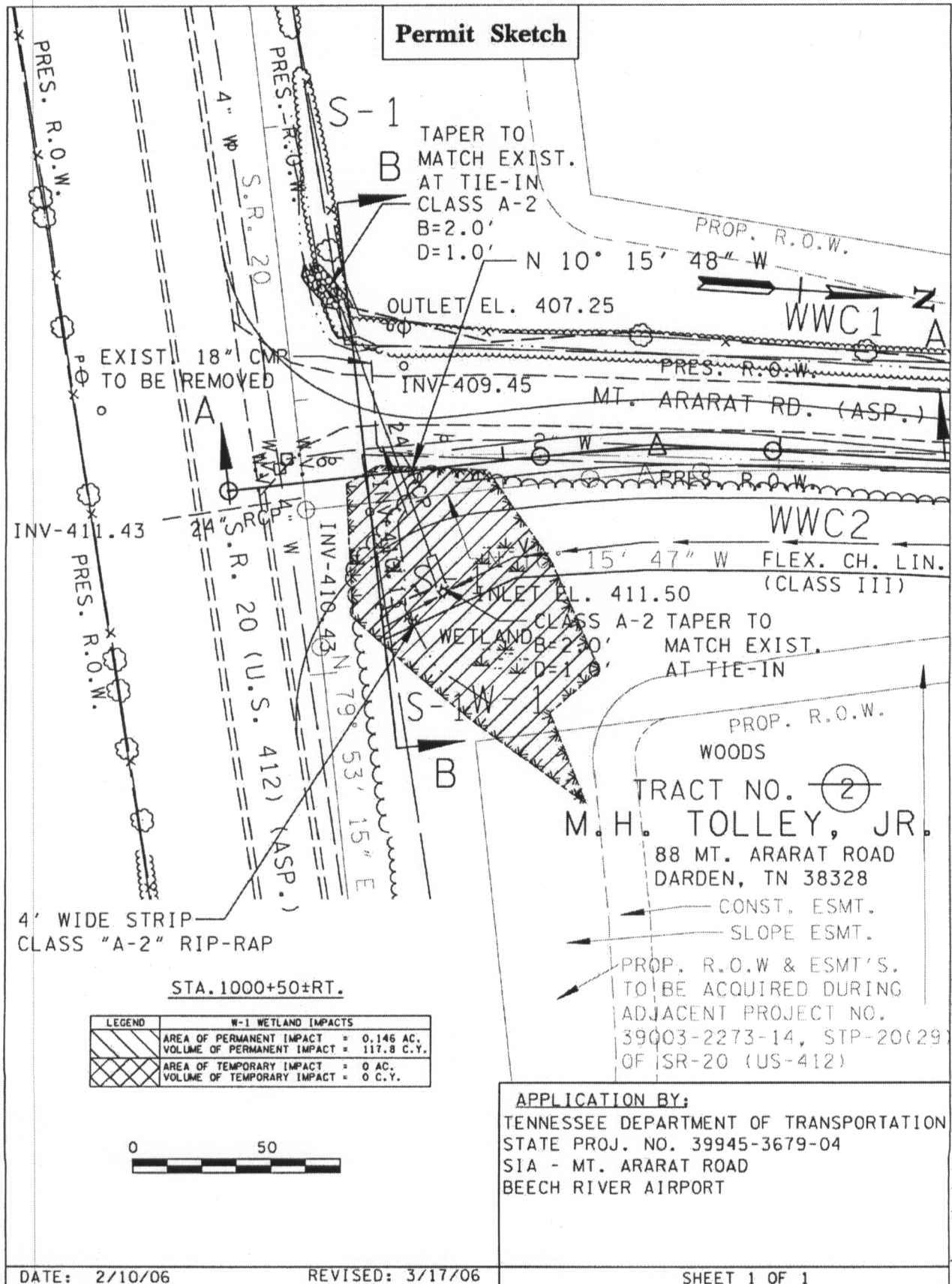
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SHEET 1 OF 1

2/17/2005
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DATE: 2/10/06

REVISED: 3/17/06

SHEET 1 OF 1

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Permit Sketch

1030



TRACT NO. ⑥ BEECH RIVER REGIONAL AIRPORT AUTHORITY

1600 MT. ARARAT ROAD
DARDEN, TN 38328

HAYFIELD

ON-SITE MITIGATION FOR TEMPORARY WETLAND IMPACT AREAS

PROPOSED TREES:

WILLOW OAK	QUERCUS PHELLOS
RED MAPLE	ACER RUBRUM
BOX ELDER	ACER NEGUNDO
SYCAMORE	PLATANUS OCCIDENTALIS
RIVER BIRCH	BETULA NIGRA

TREES ARE TO BE BARE ROOT SPECIMENS AND
AT 18"-24" HEIGHT. TREES ARE TO BE PLANTED
IN ONE TO TWO ROWS ON 10' CENTERS
IN THE TEMPORARY WETLAND IMPACT AREAS
AS SPACE ALLOWS. NO SUBSTITUTIONS WILL BE
ACCEPTED WITHOUT WRITTEN PERMISSION
FROM THE ENVIRONMENTAL PLANNING AND PERMITS DIVISION.

WWC4

WETLAND

DO NOT DISTURB WETLAND
OUTSIDE OF R.O.W.

PROP. R.O.W.

OUTLET EL. 407.50

PRES. R.O.W.

PRES. R.O.W.

FLEX. CH. LTN.
(CLASS III)

INLET EL. 408.00

PROP. R.O.W.

CLASS A-2
B=2.0'
D=1.0'

EXIST. 18" CMP
TO BE REMOVED

WWC1

INV-409.07

INV-410.72

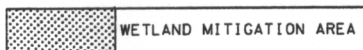
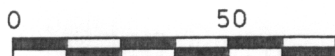
WWC4

WWC2

CLASS A-2
B=2.0'
D=1.0'

STA. 1032+00± LT.

LEGEND		W-2 WETLAND IMPACTS	
	AREA OF PERMANENT IMPACT	=	0.001 AC.
	VOLUME OF PERMANENT IMPACT	=	0.05 C.Y.
	AREA OF TEMPORARY IMPACT	=	0.002 AC.
	VOLUME OF TEMPORARY IMPACT	=	1.3 C.Y.



APPLICATION BY:

TENNESSEE DEPARTMENT OF TRANSPORTATION
STATE PROJ. NO. 39945-3679-04
SIA - MT. ARARAT ROAD
BEECH RIVER AIRPORT

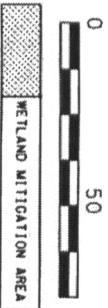
DATE: 2/10/06

REVISED: 3/17/06

SHEET 1 OF 2

APPLICATION BY:
TENNESSEE DEPARTMENT OF TRANSPORTATION
STATE PROJ. NO. 39945-3679-04
SIA - MT. ARARAT ROAD
BEECH RIVER AIRPORT

TRACT NO. (9)
LINDSEY AND LINDSEY
PROPERTIES, LLC
212 HEMLOCK CR.
SEVIERVILLE, TN 37862



LEGEND	W-3 WETLAND IMPACTS
	AREA OF PERMANENT IMPACT = 0.071 AC.
	VOLUME OF PERMANENT IMPACT = 32.2 C.Y.
	AREA OF TEMPORARY IMPACT = 0.015 AC.
	VOLUME OF TEMPORARY IMPACT = 7.2 C.Y.

ON-SITE MITIGATION FOR TEMPORARY WETLAND IMPACT AREAS
PROPOSED TREES:
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SYCAMORE
RIVER BIRCH
QUERCUS PHELLOD
ACER RUBRUM
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TEMPORARY WETLAND IMPACT AREAS
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ACCEPTED WITHOUT WRITTEN PERMISSION
FROM THE ENVIRONMENTAL PLANNING AND PERMITS DIVISION.
STA. 1053+50±RT.

PASTURE

4' WIDE STRIP
CLASS "A-2" RIP-RAP

DO NOT DISTURB WETLAND
OUTSIDE OF R.O.W.

CLASS "B"
B=10.0' TAPER TO MATCH
D=4.0' EXIST. AT TIE-IN

Permit Sketch

